

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 101537,094
Source: PCT
Date Processed by STIC: 6-13-05

ENTERED



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/537,094

DATE: 06/13/2005

TIME: 09:37:42

Input Set : A:\050345.txt

Output Set: N:\CRF4\06132005\J537094.raw

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3 <110> APPLICANT: NAGOYA INDUSTRIAL SCIENCE RESEARCH INSTITUTE
4   YOSHIOKA, Hirofumi
6 <120> TITLE OF INVENTION: Pathogen-responsive promotor
8 <130> FILE REFERENCE: P0206402
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/537,094
C--> 10 <141> CURRENT FILING DATE: 2005-06-02
10 <150> PRIOR APPLICATION NUMBER: JP P2002-351701
11 <151> PRIOR FILING DATE: 2002-12-03
13 <150> PRIOR APPLICATION NUMBER: JP P2003-294409
14 <151> PRIOR FILING DATE: 2003-08-18
16 <160> NUMBER OF SEQ ID NOS: 39
18 <170> SOFTWARE: PatentIn version 3.1
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22 <212> TYPE: DNA
23 <213> ORGANISM: Solanum tuberosum
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28 <223> OTHER INFORMATION: n stands for any base
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33 <222> LOCATION: (278)..(278)
34 <223> OTHER INFORMATION: n stands for any base
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42 actcacataa tagcatggtg ctagaagagt cacttgaaag agtatactga agagtattaa      180
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52 ccactcaatt ttaaataaat tagtgatccc ttacgatctt aaaaaaattg tatttttgtg      480
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58 gaatttgaac tttaaatagt acttatgaat ttacttgcc gtttgaattt tatgtacatg      660
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62 caagaacaaa ttgactcta gatttttaat tttttttttt taaaaaaaaa ctaaatactc      780
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66 acattcagat atttaaaatc aattaactta aatttctcat catcagtaag aagttttaat      900
68 aatcacatga aggaaagcct gtttgagaaa agttatgcgt aaaatattgc atatctctct      960
70 tccattgaat tagttacatc tggatttgca taaaatcaac atttagtaaa atacgatggc      1020
72 ttagatgatt gaactttgaa caggaaaaat aagcgtgcaa ataagccatc aatcttgaac      1080

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76 ggatttagaa ttttcattaa agggactcta aaaaaatata gtgcctaaga tttgaacttg 1200
78 aaactcaaga tgccactaaa caacctctaa tcttacattc agaaggttca aaatcaatat 1260
80 atatagacat aattttttaa atttttttta acctccctcg actacctcta ggtccgacct 1320
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88 aaaggagaga cactttcttg gtcccttcga ggccatatat cccattaata taaaaatata 1560
90 aaacaaaaaa aaagacagac ggtcgcccaa ggaaagaagg cggacgtcac taacggctaa 1620
92 ccctaactac aaataatgta attttccaaa aacggaaacta taaggaataa aaaacatgaa 1680
94 gattattgag tattattaat ttttaaaaga cagacgccac tcgaggaaat aaggaatcac 1740
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122 accactataa atactcaata ttcttctctc ttcatttcca tcaacacctt caccaactaa 2580
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155 caaaatcaat atatatagac ataatttttt aaattttttt taacctccct cgactacctc 660
157 taggtccgcc ctactatttc ccatccgatc tcttggaag cgggggagaa aattttataa 720
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161 tgaagacgga aacaatagca ttggatcaag acagacgcca ttgaagggaag aaaaaacct 840
163 aaaaaataaa caaaggaga gacactttct tgggtccctc gaggccatat atcccattaa 900
165 tataaaaaa taaaacaaaa aaaaagacag acggtcgccc aaggaaagaa ggcggacgtc 960
167 actaacggct aaccctaact acaataatg taattttcca aaaacggaac tataaggaat 1020

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169 aaaaaacatg aagattattg agtattatta atttttaaaa gacagacgcc actcgaggaa 1080
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175 caatacttgt ccaattttaga aaatctaaaa gataatttat tatttttgtt ttgttttacc 1260
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185 gagattttgt ttgattcgag acgaaattta ataaagatga tttttttaaa gttgtaatct 1560
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216 ccatccgata tcttggggag cggggggagaa aattttataa tagtgactc atgtataat 240
218 tacatactaa gattttatgt aatgctatat tttttcaagt tgaagacgga aacaatagca 300
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230 aagaaagaaa ttaaaggcac gttacagtat catataatat aaatttaagt ttggttgcat 660
232 tgaagttata tagtttttaa aaaaaaataa aattgtccaa caatacttgt ccaattttaga 720
234 aaatctaaaa gataatttat tatttttgtt ttgttttacc tcaacatcta atacatttct 780
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252 ataaagacta gaaagagtat actatttgta tatctacagt gggacgacca gttaagtata 1320
254 ttgtagtcaa agtaaggcaa ccgatggac tgcattgcagc acaaaggctc tcaccactat 1380
256 aaatactcaa tattccttct ctttcatttc catcaacacc ttcaccaact acaaaattaa 1440
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262 <211> LENGTH: 1000

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326 actcgacagg ttctctccgg cctctactac ctccacaggc gtaagattgt tcacagagat      600
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340 agggatcctg ctaggcggtg gacggccgag cagctcttgc gccatccctt catcacccag      1020
342 aatagcccag gcaccacac cggctctgct actacctcat tgagtaatca ggcacatcaa      1080
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350 <213> ORGANISM: Solanum tuberosum
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359 20 25 30
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363 35 40 45
366 Val Ala Leu Ala Val Pro Leu Pro Leu Pro Pro Thr Ser Ala Pro Ser
367 50 55 60
370 Ser Ser Ser Ser Ser Ser Ser Ser Pro Leu Pro Thr Pro Leu His Phe
371 65 70 75 80
374 Ser Glu Leu Glu Arg Val Asn Arg Ile Gly Ser Gly Thr Gly Gly Thr
375 85 90 95
378 Val Tyr Lys Val Leu His Arg Pro Thr Gly Arg Leu Tyr Ala Leu Lys
379 100 105 110
382 Val Ile Tyr Gly Asn His Glu Asp Ser Val Arg Leu Gln Met Cys Arg
383 115 120 125
386 Glu Ile Glu Ile Leu Arg Asp Val Asp Asn Pro Asn Val Val Arg Cys
387 130 135 140
390 His Asp Met Phe Asp His Asn Gly Glu Ile Gln Val Leu Leu Glu Phe
391 145 150 155 160
394 Met Asp Lys Gly Ser Leu Glu Gly Ile His Ile Pro Leu Glu Gln Pro
395 165 170 175
398 Leu Ser Asp Leu Thr Arg Gln Val Leu Ser Gly Leu Tyr Tyr Leu His
399 180 185 190
402 Arg Arg Lys Ile Val His Arg Asp Ile Lys Pro Ser Asn Leu Leu Ile
403 195 200 205
406 Asn Ser Arg Arg Glu Val Lys Ile Ala Asp Phe Gly Val Ser Arg Val
407 210 215 220
410 Leu Ala Gln Thr Met Asp Pro Cys Asn Ser Ser Val Gly Thr Ile Ala
411 225 230 235 240
414 Tyr Met Ser Pro Glu Arg Ile Asn Thr Asp Leu Asn His Gly Gln Tyr
415 245 250 255
418 Asp Gly Tyr Ala Gly Asp Ile Trp Ser Leu Gly Val Ser Ile Leu Glu
419 260 265 270
422 Phe Tyr Leu Gly Arg Phe Pro Phe Ser Val Gly Arg Gln Gly Asp Trp
423 275 280 285
426 Ala Ser Leu Met Cys Ala Ile Cys Met Ser Gln Pro Pro Glu Ala Pro
427 290 295 300
430 Pro Thr Ala Ser Arg Glu Phe Arg Glu Phe Ile Ala Cys Cys Leu Gln
431 305 310 315 320
434 Arg Asp Pro Ala Arg Arg Trp Thr Ala Ala Gln Leu Leu Arg His Pro
435 325 330 335
438 Phe Ile Thr Gln Asn Ser Pro Gly Thr His Thr Gly Pro Ala Thr Thr
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446 Ser Ser Ser Ser Ser Ser
447 370
450 <210> SEQ ID NO: 7

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/537,094

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Input Set : A:\050345.txt
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 246,278 ✓

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete, per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:7,8,9,10,11,12,13,14,15,16,17,18,19,20,25,26,27,28,29,30,31,32,33,34,35

Seq#:36,37,38,39

VERIFICATION SUMMARY

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L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:46 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:240